

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/05/2007

API NO. ASSIGNED: 43-047-39771

WELL NAME: STATE 7-36 -8-18

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNE 36 080S 180E

SURFACE: 1794 FNL 2367 FEL

BOTTOM: 1794 FNL 2367 FEL

COUNTY: UINTAH

LATITUDE: 40.07570 LONGITUDE: -109.8403

UTM SURF EASTINGS: 598886 NORTHINGS: 4436593

FIELD NAME: 8 MILE FLAT NORTH (590)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	12/18/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22057

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

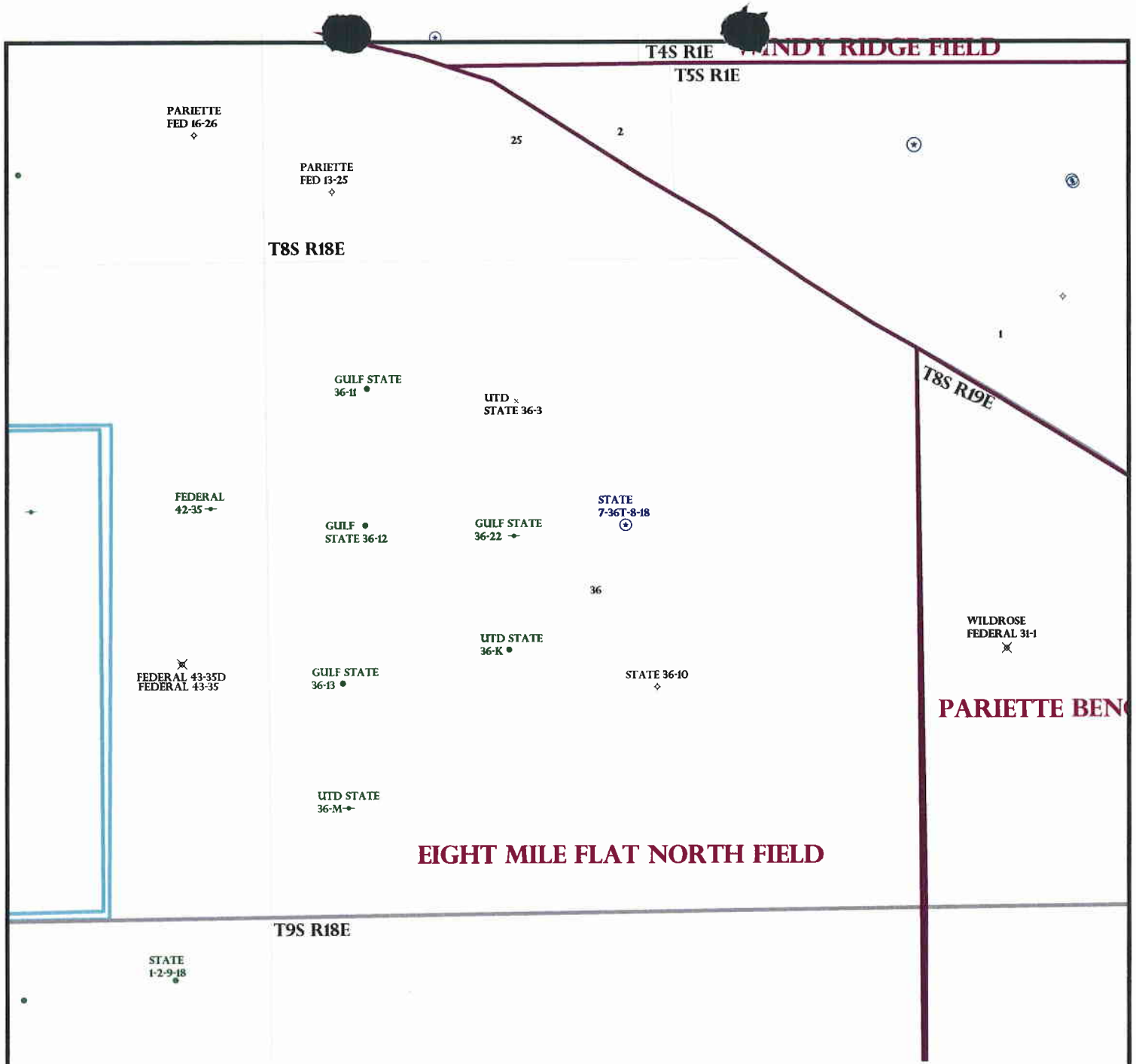
___ R649-2-3.
Unit: ___
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☒ R649-3-3. Exception
___ Drilling Unit
Board Cause No: ___
Eff Date: ___
Siting: ___
___ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (11-14-02)

STIPULATIONS:

*1. Spacing Strip
2. STATEMENT OF BASIS
3. Surface Csg Cont Strip*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 36 T.8S R. 18E

FIELD: EIGHT MILE FLAT (590)

COUNTY: UTAH

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 07-NOVEMBER-2007

Application for Permit to Drill

Statement of Basis

11/20/2007

Utah Division of Oil, Gas and Mining

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APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
590	43-047-39771-00-00		GW	S	No
Operator	NEWFIELD PRODUCTION COMPANY	Surface Owner-APD			
Well Name	STATE 7-36; -8-18	Unit			
Field	8 MILE FLAT NORTH	Type of Work			
Location	SWNE 36 8S 18E S 1794 FNL 2367 FEL	GPS Coord (UTM) 598886E 4436593N			

Geologic Statement of Basis

Newfield proposes to set 3,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

11/20/2007
Date / Time

Surface Statement of Basis

The proposed location is in the Pariette Draw drainage of Uintah County. Pariette Draw contains an ephemeral stream somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 10 miles downstream from the location. Broad flats characterize the area with those to the west frequently used for agriculture. Flats are intersected by drainages with gentle to moderate side-slopes. Slopes become steeper and deeper as they approach Pariette Draw. Occasional seeps occur in the draws. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oil field development roads a distance of 24.5 miles. New construction of 1,525 feet will be required.

The State #7-36T-8-18 proposed gas well location begins with a cut on the west part of the location which starts on the steep break of a slope. To the west of this cut the terrain is flat. This cut extends to the east onto a bench but the cut at center stake is still about 14 feet. Fill will be deposited to the east into 2-3 deep drainages. Corners 2 and 8 will be rounded off to avoid excessive fill. At corner 7 a short straightening of the channel may be needed as fill may be deposited into this channel. This will be determined at time of construction. The deep main channel extends to the north and is a sub-drainage of Pariette Draw. To the north are elevated hills with exposed sandstone ledges or boulders rimming the edges. The well is a deep gas well with a proposed depth of 16, 100 feet. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well.

Both the surface and minerals are owned by SITLA.

Ben Williams representing the Utah Division of Wildlife resources stated there are no significant wildlife concerns in the area. Mr. Williams gave Mr. Allred of Newfield Production Company and Mr. Davis of SITLA copies of this evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett
Onsite Evaluator

11/14/2007
Date / Time

Application for Permit to Drill

Statement of Basis

11/20/2007

Utah Division of Oil, Gas and Mining

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Conditions of Approval / Application for Permit to Drill

Category	Condition
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Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location. At corner 7 a short straightening of the channel may be needed as fill may be deposited into this channel. This will be determined at time of construction.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name STATE 7-36. -8-18
API Number 43-047-39771-0 **APD No** 590 **Field/Unit** 8 MILE FLAT NORTH
Location: 1/4,1/4 SWNE **Sec** 36 **Tw** 8S **Rng** 18E 1794 FNL 2367 FEL
GPS Coord (UTM) 598894 4436788 **Surface Owner**

Participants

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Stewart (Tri-state Land Surveying), Jim Davis and Kurt Higgins (SITLA), Ben Williams and Daniel Emmett (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The proposed location is in the Pariette Draw drainage of Uintah County. Pariette Draw contains an ephemeral stream somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 10 miles downstream from the location. Broad flats characterize the area with those to the west frequently used for agriculture. Flats are intersected by drainages with gentle to moderate side-slopes. Slopes become steeper and deeper as they approach Pariette Draw. Occasional seeps occur in the draws. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oil field development roads a distance of 24.5 miles. New construction of 1,525 feet will be required.

The State #7-36T-8-18 proposed gas well location begins with a cut on the west part of the location which starts on the steep break of a slope. To the west of this cut, the terrain is flat. This cut extends to the east onto a bench but the cut at center stake is still about 14 feet. Fill will be deposited to the east into 2-3 deep drainages. Corners 2 and 8 will be rounded off to avoid excessive fill. At corner 7 a short straightening of the channel may be needed as fill may be deposited into this channel. This will be determined at time of construction. The deep main channel extends to the north and is a sub-drainage of Pariette Draw. To the north are elevated hills with exposed sandstone ledges or boulders rimming the edges. The well is a deep gas well with a proposed depth of 16, 100 feet. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well.

Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.25	Width 310	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

A desert shrub type consisting of Gardner salt brush, broom snakeweed, and curly mesquite grass.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Eroded shallow sandy clay loam with round rock forming erosion pavement.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required Y

At corner 7 a short straightening of the channel may be needed as fill may be deposited into this channel. This will be determined at time of construction.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	75 to 100	10
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 35 1 **Sensitivity Level**

Characteristics / Requirements

A 100' x 165' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett
Evaluator

11/14/2007
Date / Time

Casing Schematic

Surface

27

127

157

BHP int.
 $0.052(11000)9.7 = 5548 \text{ psi}$
 Gas $.12(11000) = 1320$
 $5548 - 1320 = 4228 \text{ psi, MASP}$
 BOPE to 3500 → diverter sys.
 to 11000 → 5M ✓

Burst 3450
 70% 2415 psi
 13-3/8"
 MW 8.4
 Frac 19.3

Max P@ surf. shoe
 $.22(7500) = 1650$
 $5548 - 1650 = 3898 \text{ psi}$

surf test to 2400 psi ✓

Stop:
 → cements ✓

BHP $0.052(16100)13 = 10884 \text{ psi}$
 anticipate 13250 psi

Gas $.12(16100) = 1932$
 $10884 - 1932 = 8952 \text{ psi, MASP}$
 9-5/8"
 MW 9.7
 Frac 19.3

BOPE 10M ✓

Burst 9440
 70% 6608 psi

Max P@ int. shoe
 $.22(5100) = 1122$
 $10884 - 1122 = 9762 \text{ psi}$

Int. test to 6600 ✓

4-1/2"
 MW 13.

400' ± BMSW Uinta
 TOC @ 1529.
 to surf w/o %, tail @ 3000'
 propose caliper + 15% to 3000'
 2550' Uinta ✓
 3218' TOC tail
 Surface
 3500. MD

6096' Wasatch
 TOC @ 6196.
 to 3001' w/o % tail @ 5999
 propose caliper + 15% to 3000'
 V.O.R.
 7996' TOC tail

TOC @ 10114.
 10469' Mesawerde
 Intermediate
 11000. MD

13206' Blackhawk
 14019' Mancos ✓

Production
 16100. MD

✓ Adequate prod 12/18/07

Well name:

2007-11 Newfield State 7-36T-8-18

Operator: Newfield Production Company

String type: Surface

Project ID:

43-047-39771

Location: Uintah County

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 124 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top: 1,529 ft

Burst

Max anticipated surface pressure: 3,080 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,500 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,063 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 11,000 ft
Next mud weight: 9.700 ppg
Next setting BHP: 5,543 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,500 ft
Injection pressure: 3,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3500	13.375	68.00	J-55	ST&C	3500	3500	12.29	2942.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1527	1950	1.277	3500	3450	0.99	208	675	3.24 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: 801-538-5357
FAX: 801-359-3940

Date: December 10, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2007-11 Newfield State 7-36T-8-18Operator: **Newfield Production Company**

String type: Intermediate

Project ID:

43-047-39771

Location: Uintah County

Design parameters:**Collapse**

Mud weight: 9.700 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 229 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 6,196 ft

Burst

Max anticipated surface pressure:

7,331 psi

Internal gradient:

0.220 psi/ft

Calculated BHP

9,751 psi

Annular backup:

2.33 ppg

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 9,399 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 16,100 ft

Next mud weight: 13.000 ppg

Next setting BHP: 10,873 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 11,000 ft

Injection pressure: 11,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	11000	9.625	47.00	P-110	LT&C	11000	11000	8.625	4521.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5543	7100	1.281	8419	9440	1.12	442	1213	2.75 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: December 18, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 11000 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:

2007-11 Newfield State 7-36T-8-18Operator: **Newfield Production Company**String type: **Production**

Project ID:

43-047-39771Location: **Uintah County****Design parameters:****Collapse**

Mud weight: 13.000 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 300 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 10,114 ft

Burst

Max anticipated surface pressure:

7,331 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 10,873 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 12,926 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	16100	4.5	15.10	P-110	Buttress	16100	16100	3.701	1285.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	10873	14350	1.320	10873	13460	1.24	195	485	2.48 B

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & MineralsPhone: 801-538-5357
FAX: 801-359-3940Date: December 5, 2007
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 16100 ft, a mud weight of 13 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.



December 10, 2007

State of Utah, Division of Oil, Gas & Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Exception Location
State 7-36-8-18
ML-22057
T8S R18E, Section 36: SW/4NE/4
1794' FNL 2367' FEL
Uintah County, Utah

Dear Ms. Mason;

Pursuant to Rule 649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company ("NPC") hereby requests an exception location for the drilling of the captioned well. The proposed drillsite for this well is located 185' west of the drilling window required by Rule R649-3-2, which requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The attached plat depicts the proposed location and illustrates the deviation from the drilling window. The location had to be moved outside of the drilling window due to issues with the terrain.

Please note the drillsite and all surrounding acreage within a four hundred sixty (460) foot radius is completely within ML-22057, which is owned 100% by NPC.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,
NEWFIELD PRODUCTION COMPANY

Roxann Eveland

Roxann Eveland
Land Associate

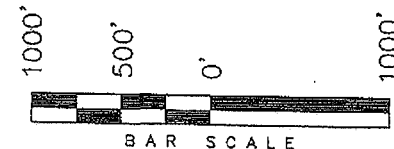
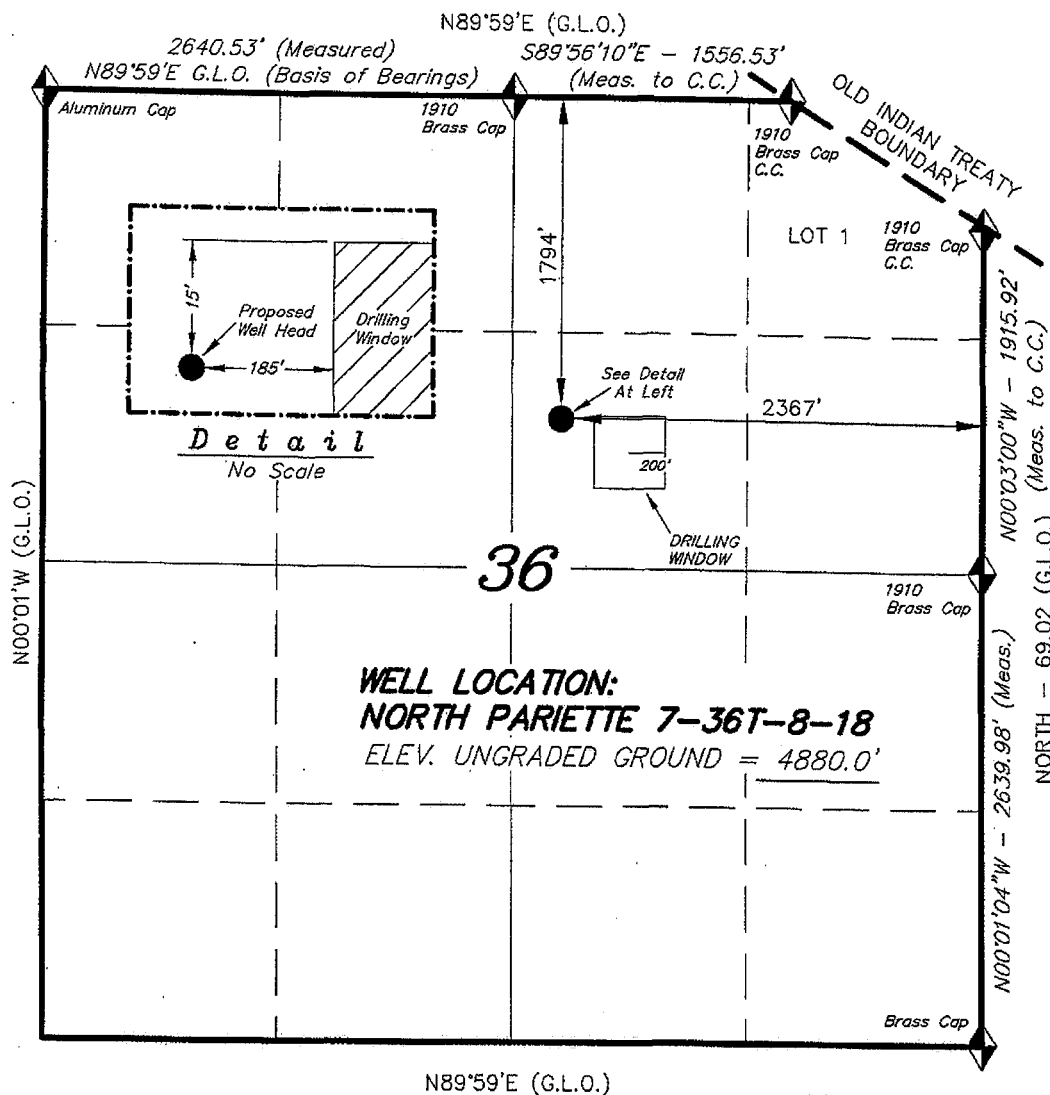
Attachment

RECEIVED
DEC 12 2007
DIV. OF OIL, GAS & MINING

T8S, R18E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, NORTH PARIETTE
7-36T-8-18, LOCATED AS SHOWN IN THE
SW 1/4 NE 1/4 OF SECTION 36, T8S,
R18E, S.L.B.&M. UTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

Stacy W. Stewart
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED
BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)

NORTH PARIETTE 7-36T-8-18
(Surface Location) NAD 83
LATITUDE = 40° 04' 35.97"
LONGITUDE = 109° 50' 27.27"

TRI STATE LAND SURVEYING & CONSULTING	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501	
DATE SURVEYED: 08-27-07	SURVEYED BY: C.M.
DATE DRAWN: 09-04-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL ☐ **X** DEEPEN ☐

1b. TYPE OF WELL

OIL ☐ GAS ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Newfield Production Company

3. ADDRESS AND TELEPHONE NUMBER:

Route #3 Box 3630, Myton, UT 84052

Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)

At Surface SW/NE 1794' FNL 2367' FEL

At proposed Producing Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 24.5 miles southeast of Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

Approx. 1794' f/lse line & NA' f/unit line

16. NO. OF ACRES IN LEASE

630.32

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approximately 453'

19. PROPOSED DEPTH

16,100'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, OR, etc.)

4880' GL

22. APPROX. DATE WORK WILL START*

4th Quarter 2007

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8"	61#	3,500'	See Detail Below
12 1/4	9 5/8"	47#	11,000	See Detail Below
8 1/2	4 1/2"	15.1#	TD	See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

*The actual cement volumes will be calculated off of the open hole logs, plus 15% over capiler volume:

SURFACE PIPE - Lead: 639 sx Premium Lite II Cement + 3% KCl + 2% bentonite,

Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk

Tail: 297 sx Class G with 3% CaCl₂, 15.8 ppg, 1.17 yield

INTERMEDIATE - Lead: 288 sx Premium Lite II Cement + 3% KCl + 2% bentonite

Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk

Tail: 50-50 Poz-Class G Cement + 2% bentonite, 14.3 ppg, 1.24 yield

PRODUCTION - 1853 sx Poz Class G + 2% bentonite

Weight: 14.3 PPG YIELD: 1.24 Cu Ft/sk

24.

Name & Signature

Mandie Crozier
Mandie Crozier

Title:

Regulatory Specialist

Date:

9/28/2007

(This space for State use only)

API Number Assigned:

APPROVAL:

RECEIVED

DEC 12 2007

DIV. OF OIL, GAS & MINING

*See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-22057	
1b. TYPE OF WELL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR Newfield Production Company		8. FARM OR LEASE NAME N/A	
3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721		9. WELL NO. State 7-36-8-18	
4. LOCATION OF WELL (FOOTAGE) At Surface SW/NE 1794' FNL 2367' FEL At proposed Producing Zone		10. FIELD AND POOL OR WILDCAT Eight Mile Flat	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 24.5 miles southeast of Myton, UT		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SW/NE Sec. 36, T8S, R18E	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) Approx. 1794' f/lse line & NA' f/unit line		12. County Uintah	
16. NO. OF ACRES IN LEASE 630.32		13. STATE UT	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approximately 453'	
19. PROPOSED DEPTH 16,100'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4880' GL		22. APPROX. DATE WORK WILL START* 4th Quarter 2007	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8"	61#	3,500'	See Detail Below
12 1/4	9 5/8"	47#	11,000	See Detail Below
8 1/2	4 1/2"	15.1#	TD	See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

***The actual cement volumes will be calculated off of the open hole logs, plus 15% over capiler volume:**

SURFACE PIPE - Lead: 639 sx Premium Lite II Cement + 3% KCl + 2% bentonite,

Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk

Tail: 297 sx Class G with 3% CaCl₂, 15.8 ppg, 1.17 yield

INTERMEDIATE - Lead: 288 sx Premium Lite II Cement + 3% KCl + 2% bentonite

Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk

Tail: 50-50 Poz-Class G Cement + 2% bentonite, 14.3 ppg, 1.24 yield

PRODUCTION - 1853 sx Poz Class G + 2% bentonite

Weight: 14.3 PPG YIELD: 1.24 Cu Ft/sk

24. Name & Signature *Mandie Crozier* Title: Regulatory Specialist Date: 9/28/2007
Mandie Crozier

(This space for State use only)

API Number Assigned: 43-047-38771

APPROVAL: _____

**Approved by the
Utah Division of
Oil, Gas and Mining**

RECEIVED

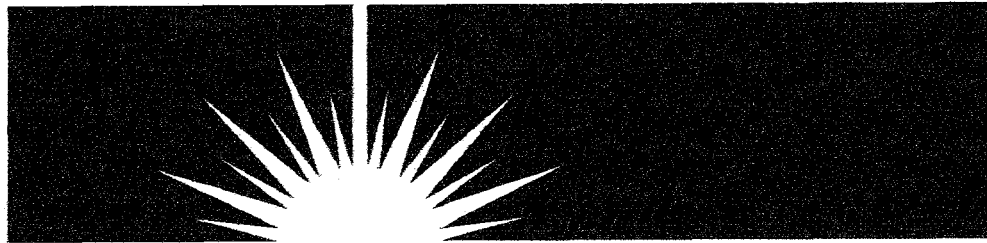
JUN 18 2008

DIV. OF OIL, GAS & MINING

Date: 01-12-08

By: *[Signature]* See Instructions On Reverse Side

NEWFIELD



June 17, 2007

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: State 7-36T-8-18

Dear Diana:

The proposed name for the above mentioned APD needs to be changed. Enclosed find the new APD package to replace what had already been submitted. The new proposed name will be **State 7-36-8-18**. Everything else in the APD will remain the same.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mandie Crozier".

Mandie Crozier
Regulatory Specialist

Enclosures

cc: SITLA

RECEIVED

JUN 18 2008

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
STATE 7-36-8-18
SW/NE SECTION 36, T8S, R18E
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2,550'
Green River	2,550'
Wasatch	6,096'
Mesaverde	10,469'
Blackhawk	13,206'
Mancos	14,019'
Proposed TD	16,100'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)	2,550' – 6,096'	
Wasatch/Mesaverde/Blackhawk/Mancos/Dakota Formation (Gas)		6,096' - TD

4. **PROPOSED CASING PROGRAM:**

Surface hole: 17-1/2"

Surface Casing: 13-3/8", 61#, J-55, STC set at 3500' (New)

Cement with:

Lead: 639 sx Premium Lite II with 3% KCl and 2% bentonite, 11.0 ppg, 3.26 yield

Tail: 297 sx Class G with 3% CaCl₂, 15.8 ppg, 1.17 yield

Intermediate hole: 12-1/4"

Intermediate Casing: 9-5/8", 47#, P-110, LTC set at 11,000' (New)

Cement with:

Lead: 288 sx Premium Lite II with 3% KCl and 2% bentonite, 11.0 ppg, 3.26 yield

Tail: 50/50 Poz Class G with 2% Bentonite, 14.3 ppg, 1.24 yield

Production hole: 8-1/2"

Production Casing: 4-1/2", 15.1#, P-110; BTC set at TD (New)

Cement with:

1853 sx Poz Class G with 2% Bentonite, 14.3 ppg, 1.24 yield

*Actual cement volumes will be 15% over caliper volume.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

Below surface casing, a 13-5/8" 5M double ram with a closing unit will be utilized. A 13-5/8" 5M annular preventer will also be utilized. Below intermediate casing an 11" 10M double ram with a closing unit will be utilized. An 11" 5M annular preventer will also be utilized. All BOP equipment will be function tested daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

A fresh water system will be utilized to drill the well. When necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel and barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. No chromates will be utilized in the fluid system. The anticipated maximum mud weight is 13.0 ppg as necessary for gas control.

In the event that the surface hole is to be drilled with air, Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM

Surface – 3500'

3500' – TD'

MUD TYPE

air/fresh water system

fresh water system

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a kelly cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBDT to cement top in the production casing. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 13,250 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seventy five (75) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE 7-36-8-18
SW/NE SECTION 36, T8S, R18E
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State 7-36-8-18 located in the SW¼ NE¼ Section 36, T8S, R18E, S.L.B. & M., Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 - 1.7 miles \pm to its junction with an existing road to the southeast; proceed southeasterly - 13.8 miles \pm to its junction with an existing road to the northeast; proceed northeasterly - 7.3 miles \pm to its junction with the beginning of the proposed access road to the southeast; proceed along the proposed access road - 1,525' \pm to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 1,525' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 7-36-8-18, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 7-36-8-18 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative


Name: Dave Allred
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #7-36-8-18, SW/NE Section 36, T8S, R18E, LEASE #ML-22057, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

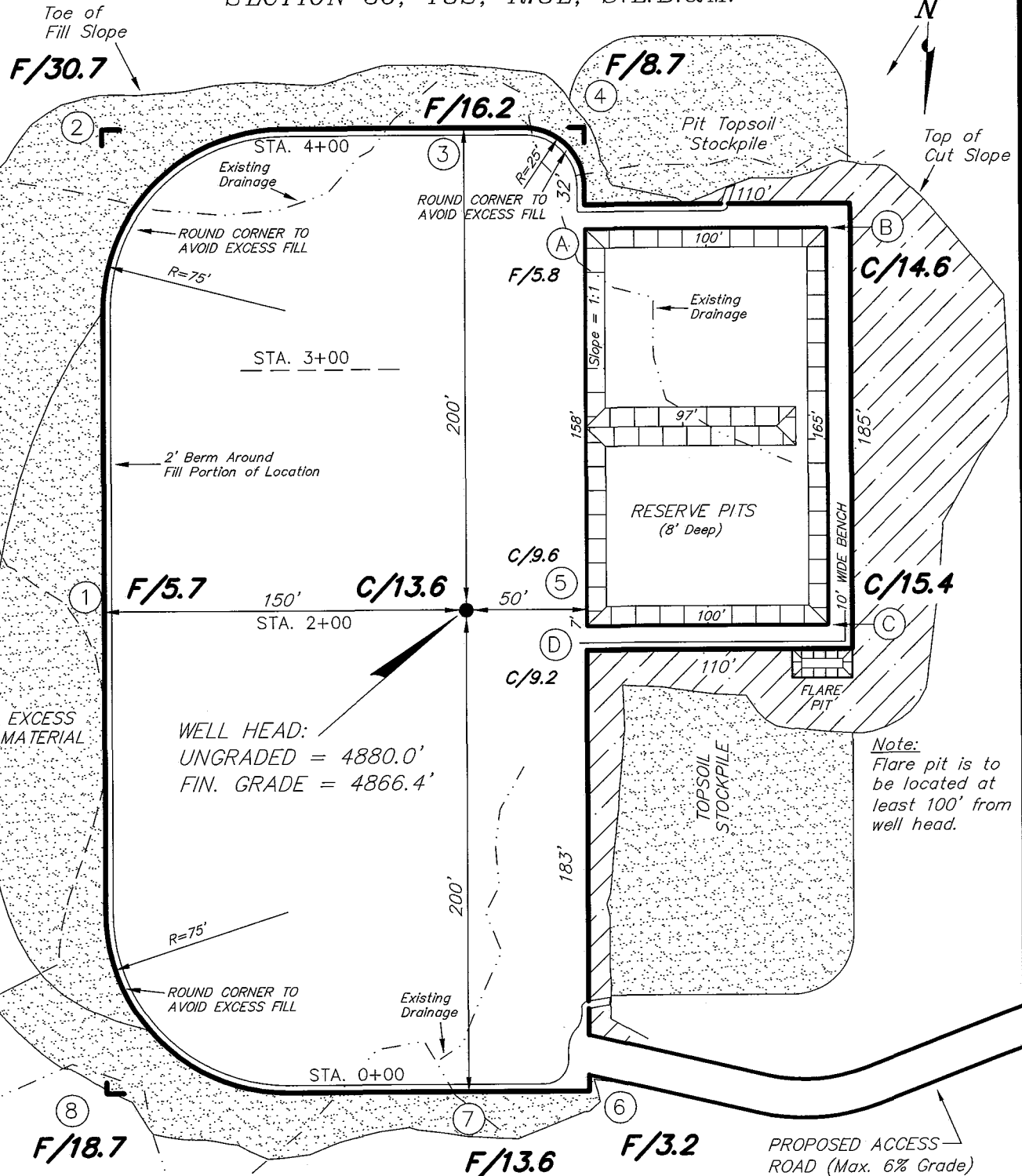
9/28/07
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

STATE 7-36-8-18

SECTION 36, T8S, R18E, S.L.B.&M.



Note:
Flare pit is to
be located at
least 100' from
well head.

REFERENCE POINTS

200' EASTERLY = 4844.1'
250' EASTERLY = 4830.3'

SURVEYED BY: C.M.	DATE SURVEYED: 08-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-04-07
SCALE: 1" = 60'	REVISED: F.T.M. 06-10-08

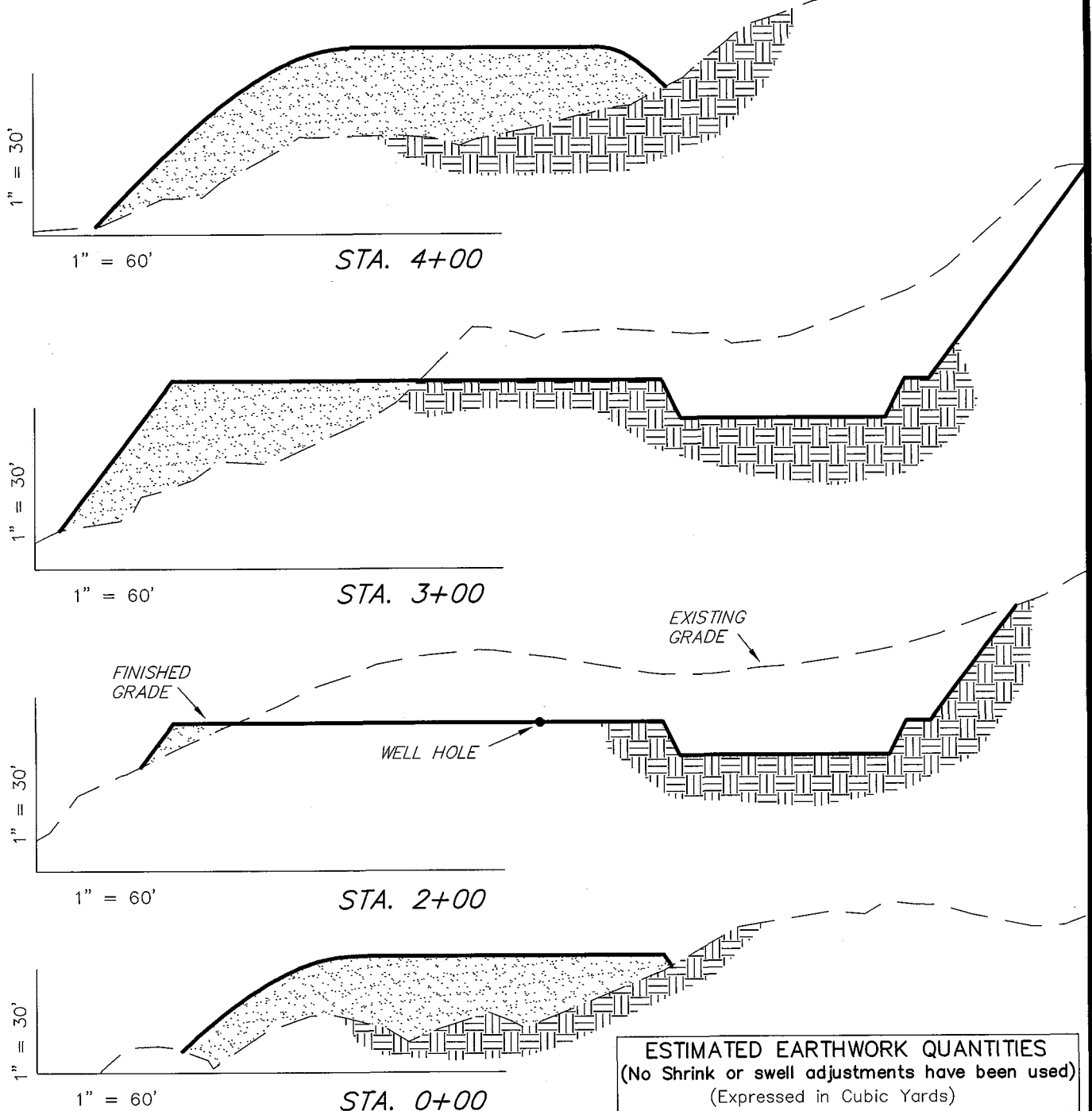
Tri State
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS STATE 7-36-8-18



NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

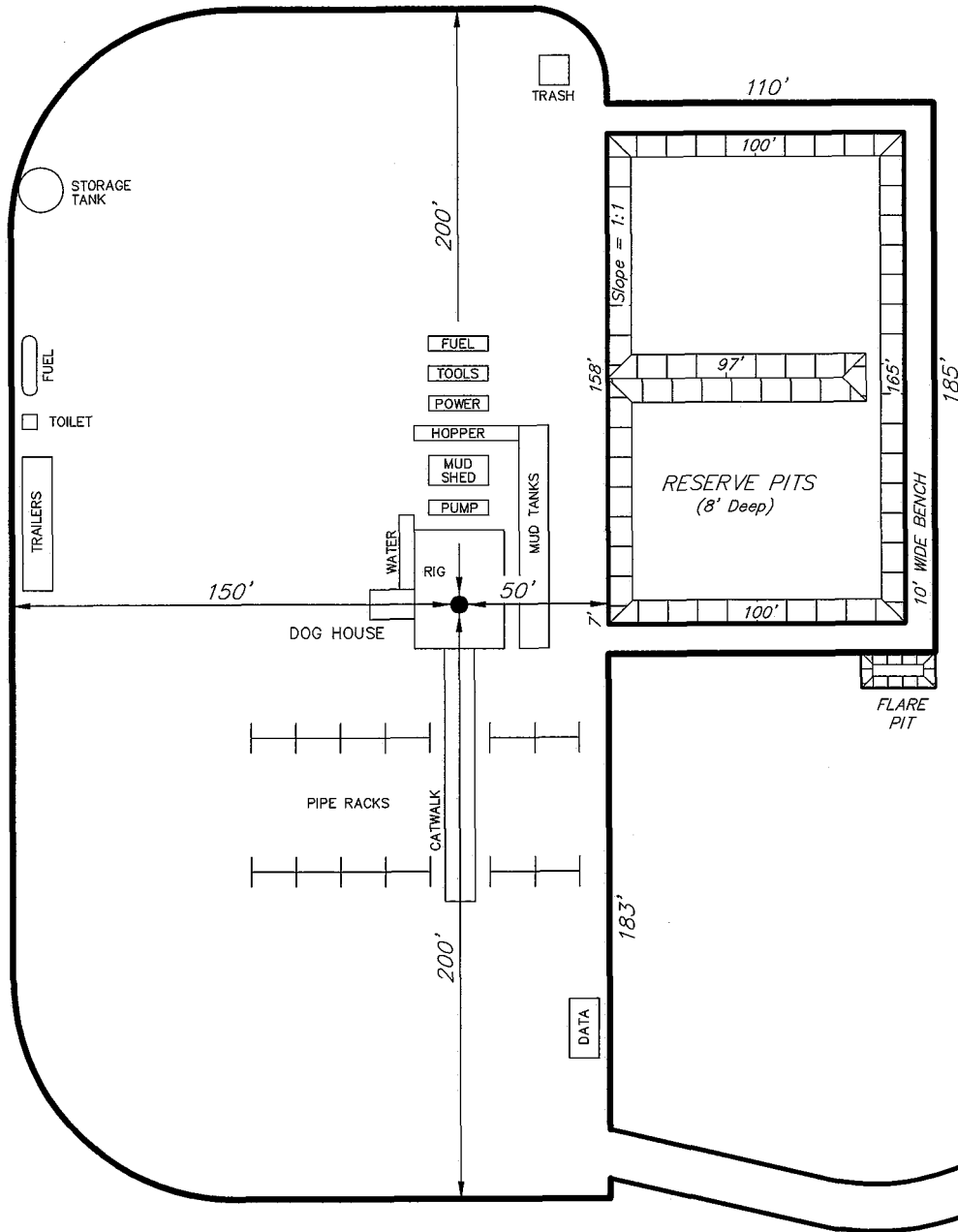
ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	24,710	24,710	Topsoil is not included in Pad Cut	0
PIT	4,100	0		4,100
TOTALS	28,810	24,710	2,510	4,100

SURVEYED BY: C.M.	DATE SURVEYED: 08-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-04-07
SCALE: 1" = 60'	REVISED: F.T.M. 06-10-08

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

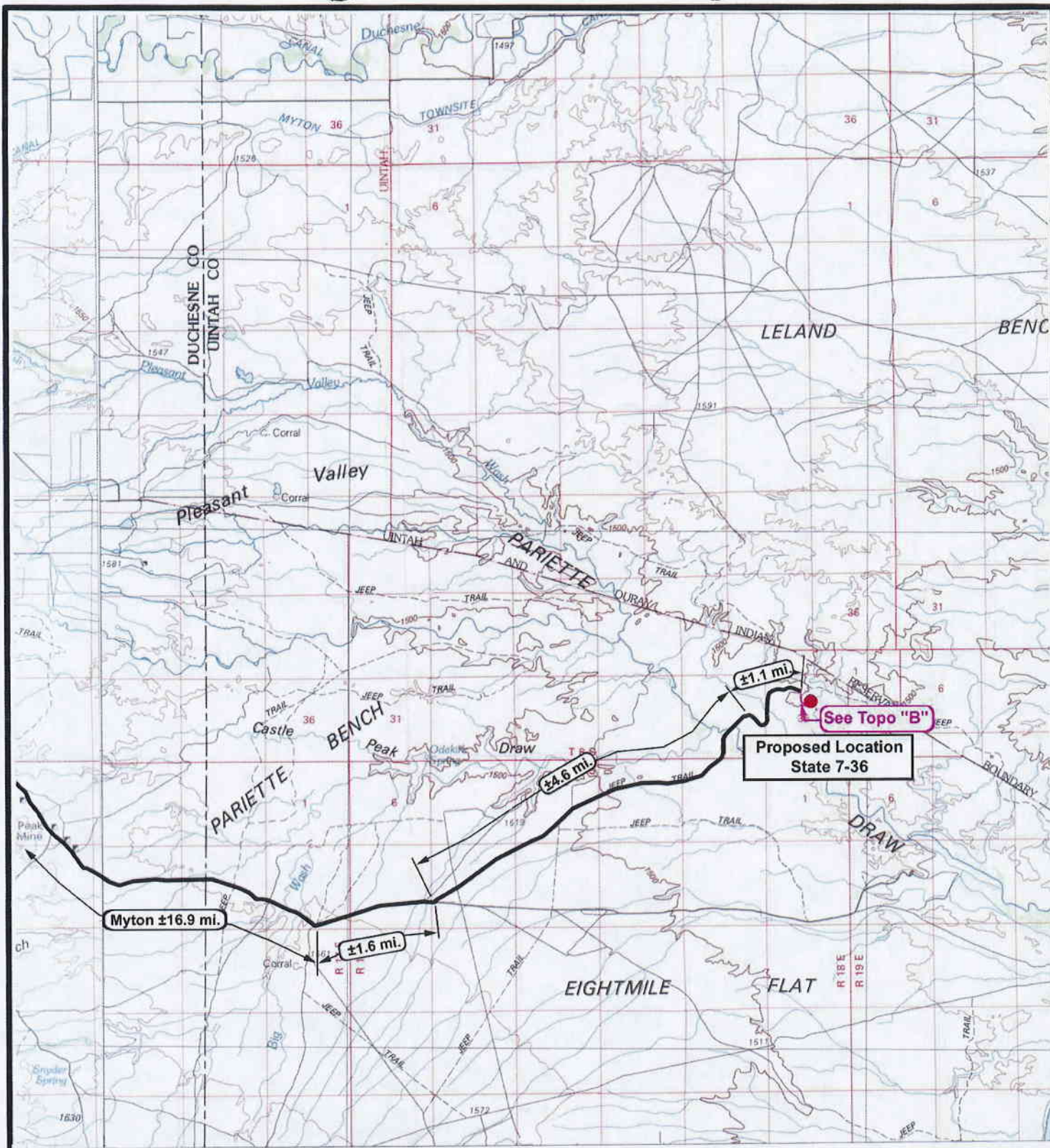
NEWFIELD PRODUCTION COMPANY


TYPICAL RIG LAYOUT STATE 7-36-8-18



SURVEYED BY: C.M.	DATE SURVEYED: 08-27-07
DRAWN BY: F.T.M.	DATE DRAWN: 09-04-07
SCALE: 1" = 60'	REVISED: F.T.M. 06-10-08

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NEWFIELD
Exploration Company

State 7-36-8-18
SEC. 36, T8S, R18E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

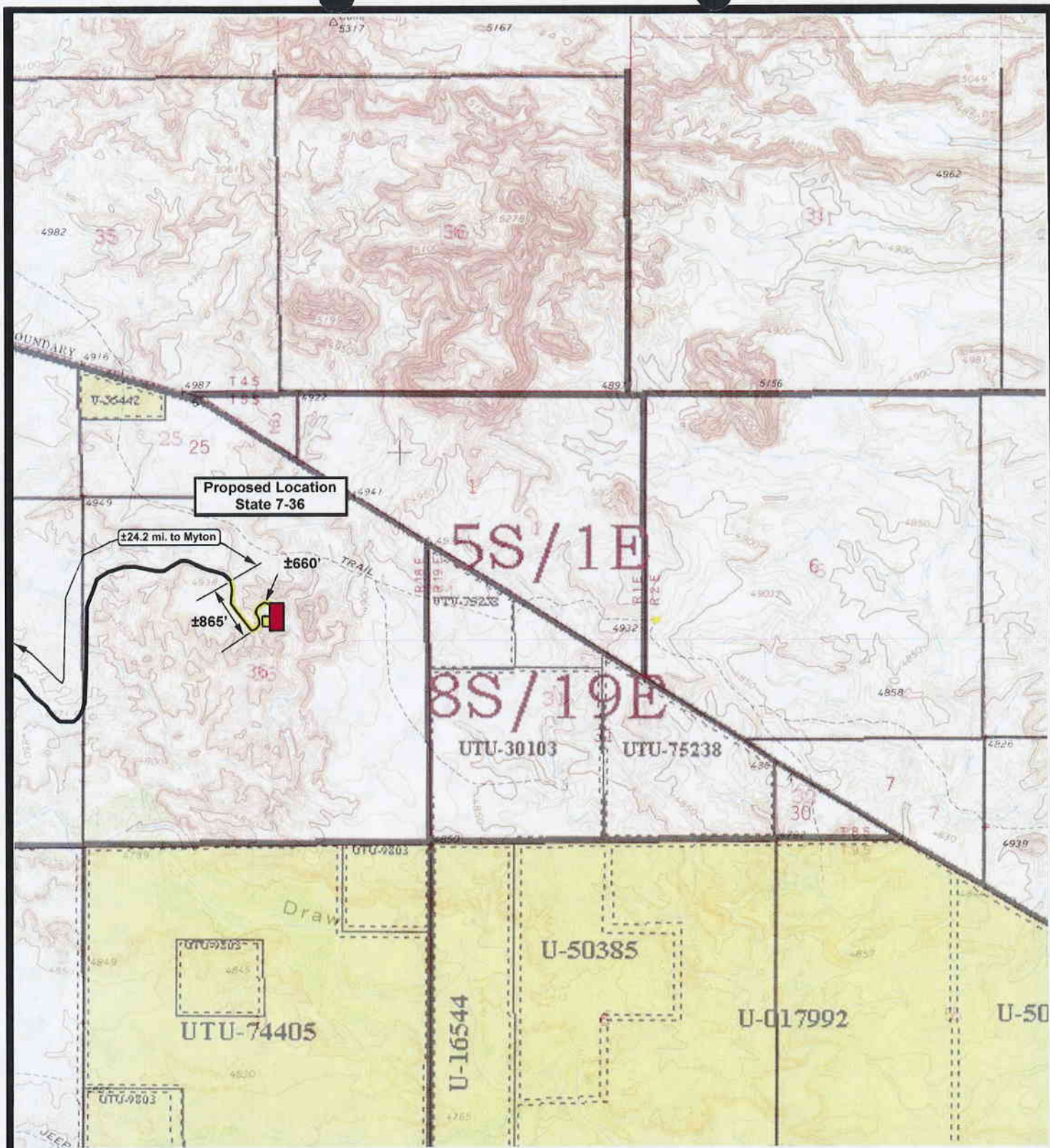
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DRAWN BY: JAS
DATE: 06-10-2008

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

State 7-36-8-18
SEC. 36, T8S, R18E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: JAS

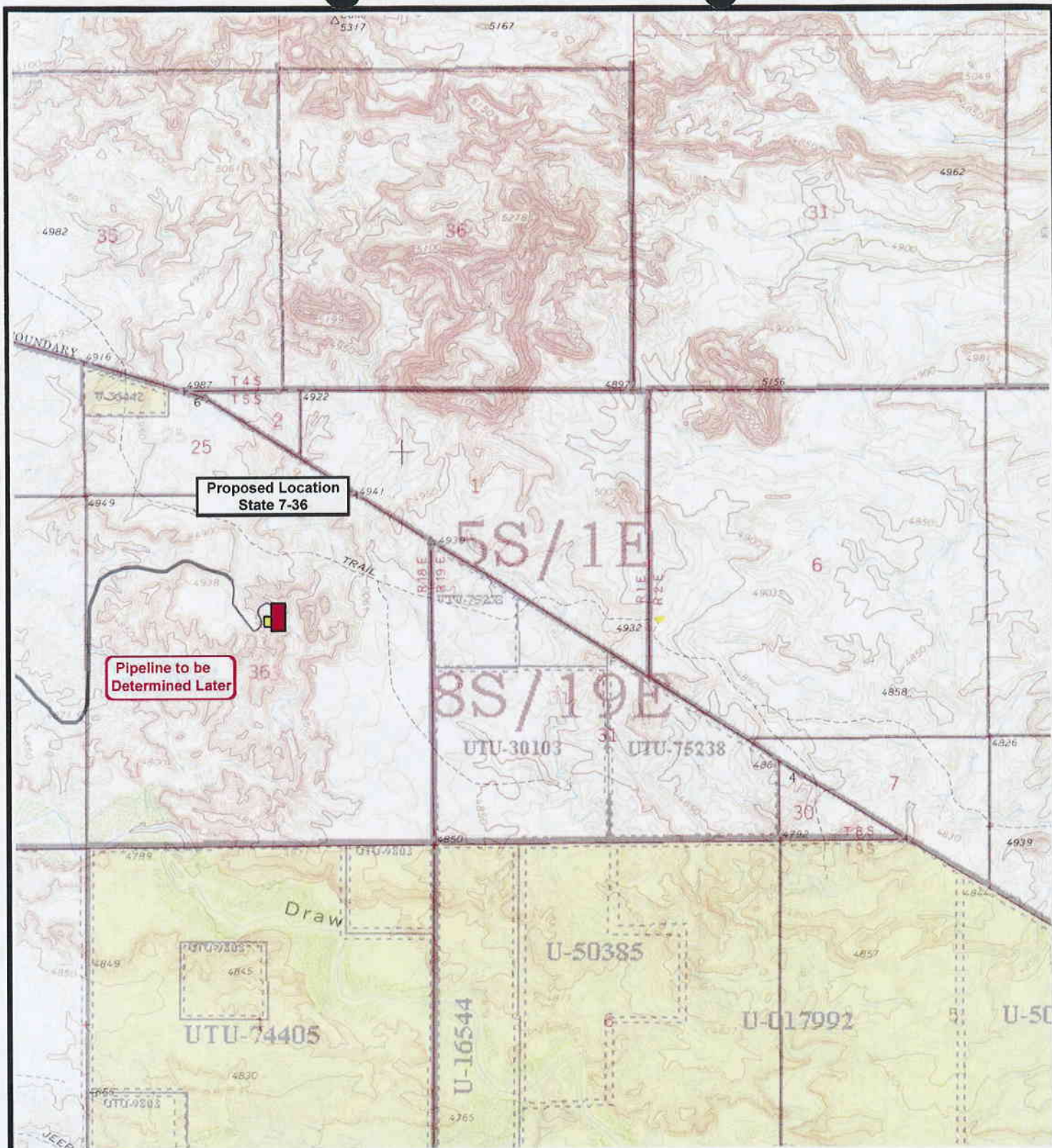
DATE: 06-10-2008

Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

State 7-36-8-18
SEC. 36, T8S, R18E, S.L.B.&M.



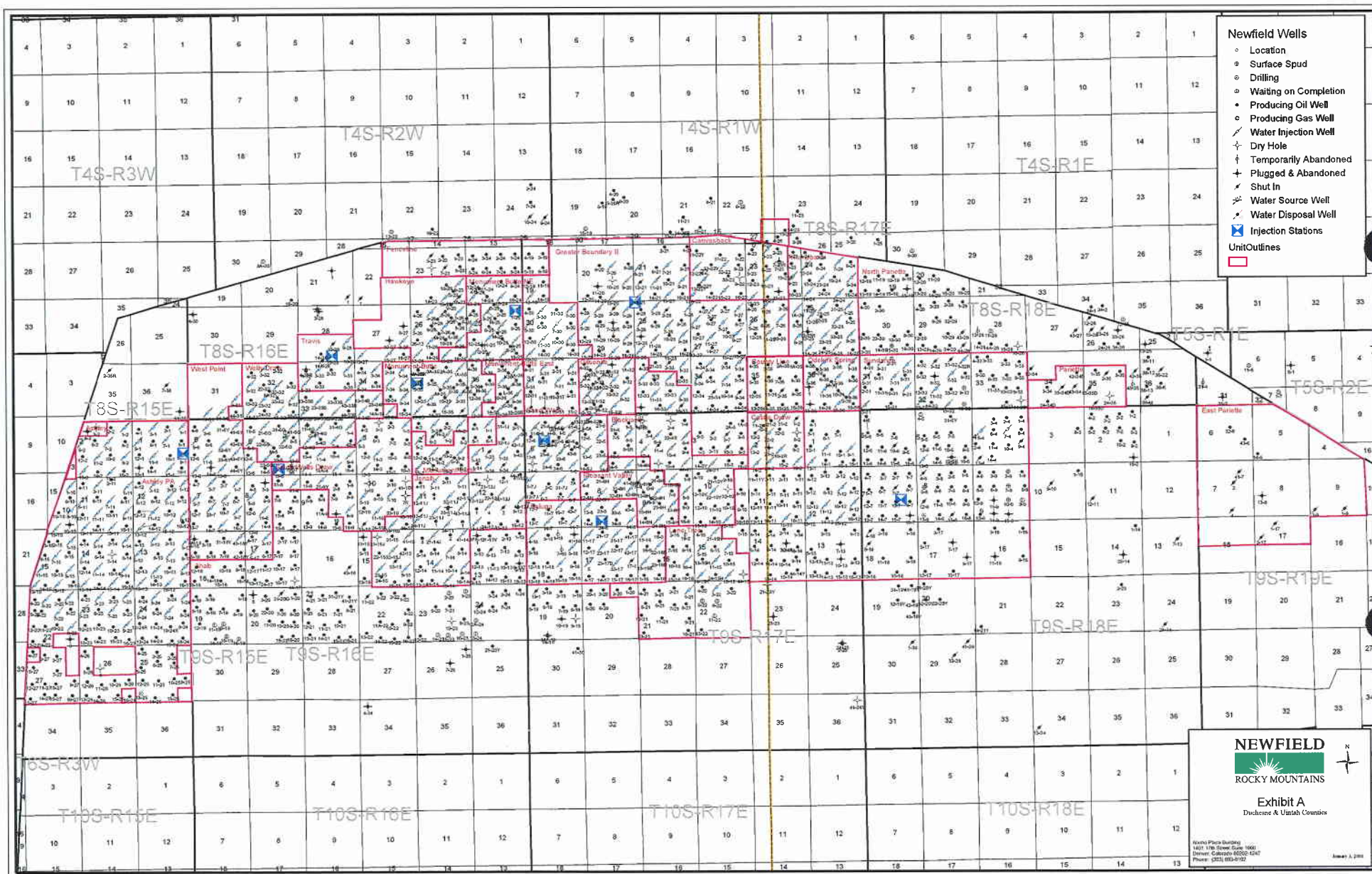
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

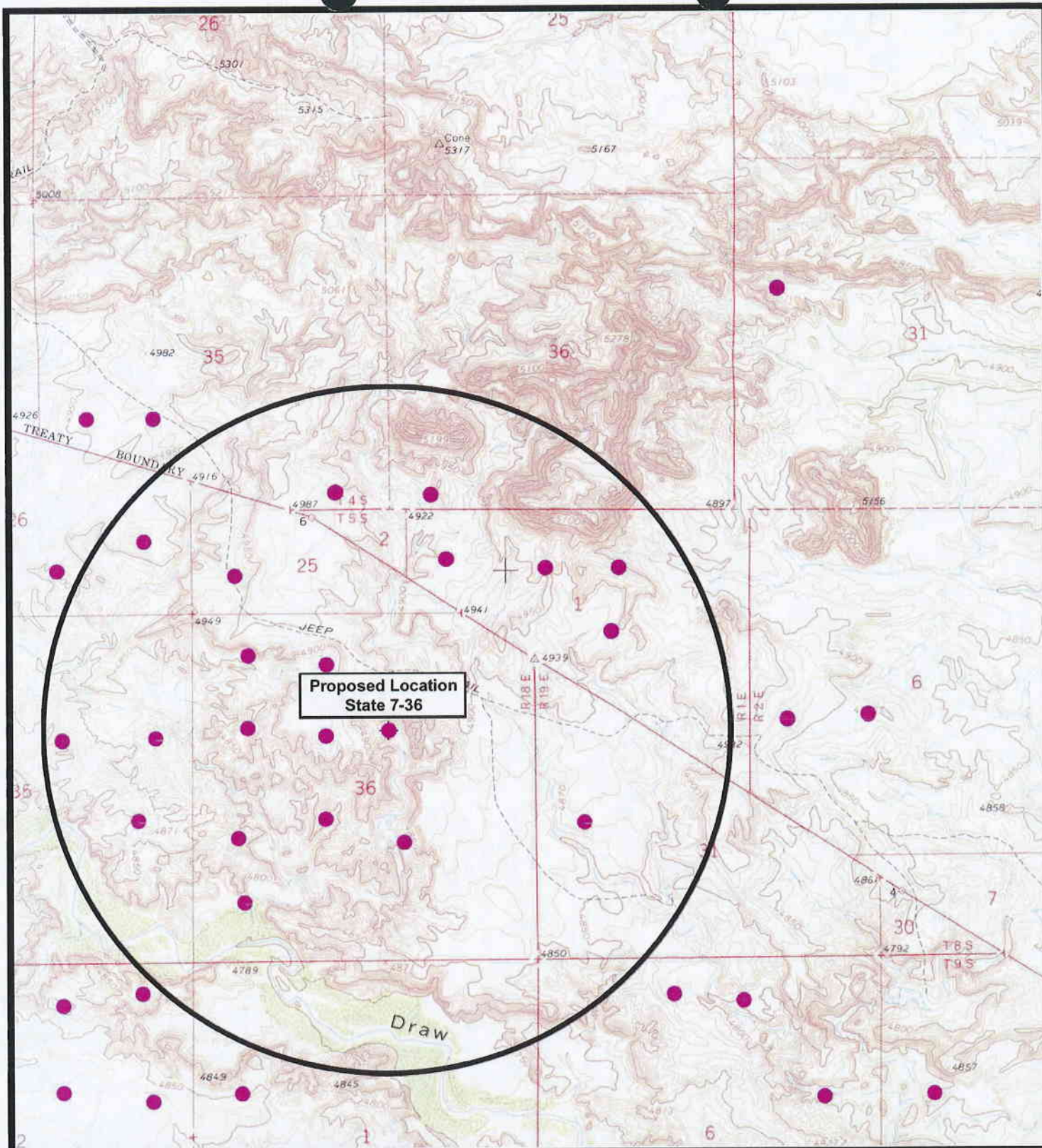
SCALE: 1" = 2,000'
DRAWN BY: JAS
DATE: 06-10-2008


Legend
Roads

TOPOGRAPHIC MAP

"C"







NEWFIELD
Exploration Company

State 7-36-8-18
SEC. 36, T8S, R18E, S.L.B.&M.





Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: JAS

DATE: 06-10-2008

Legend

● Location
○ One-Mile Radius

Exhibit "B"

11" 5 M stack

Blowout Prevention Equipment Systems

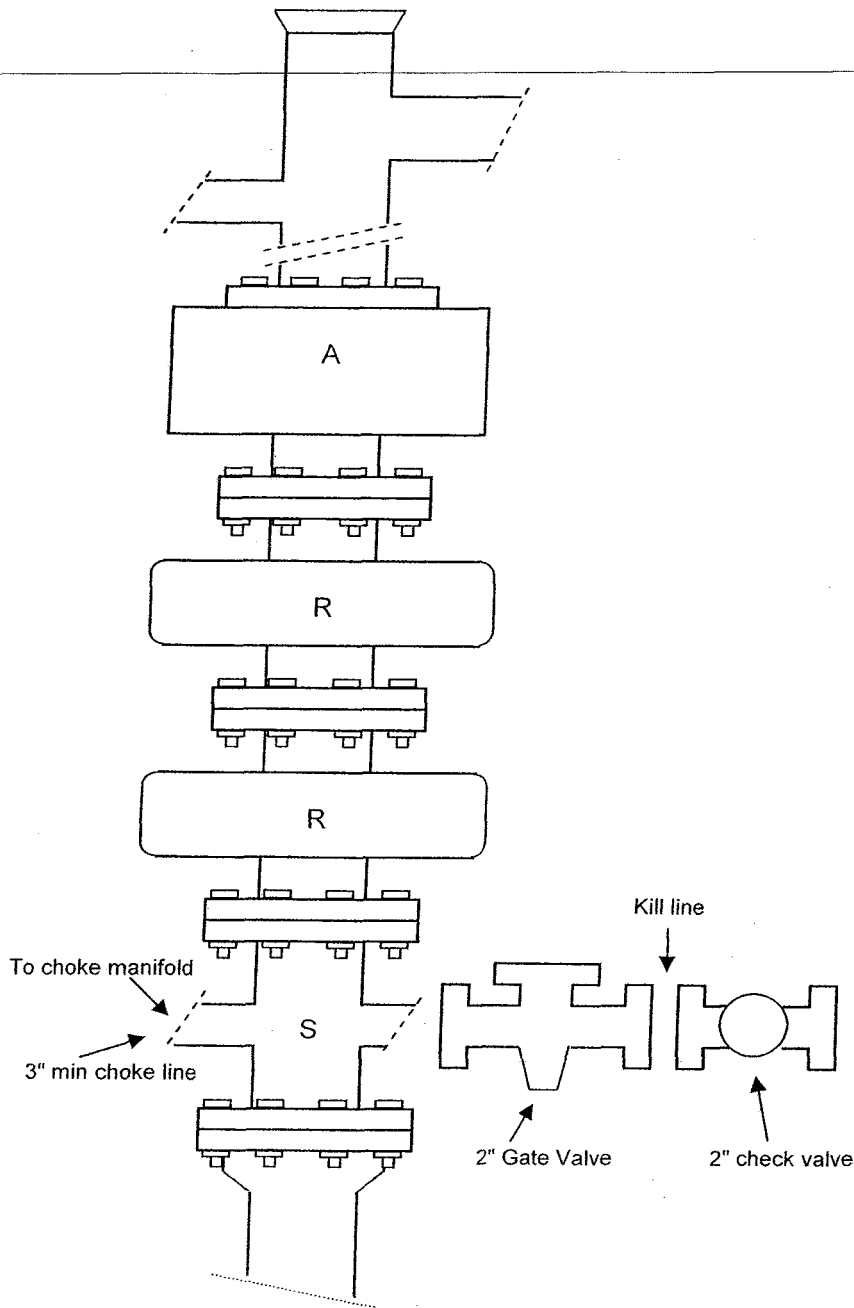


FIG. 2.C.5
ARRANGEMENT S*RRR
Double Ram Type Preventers

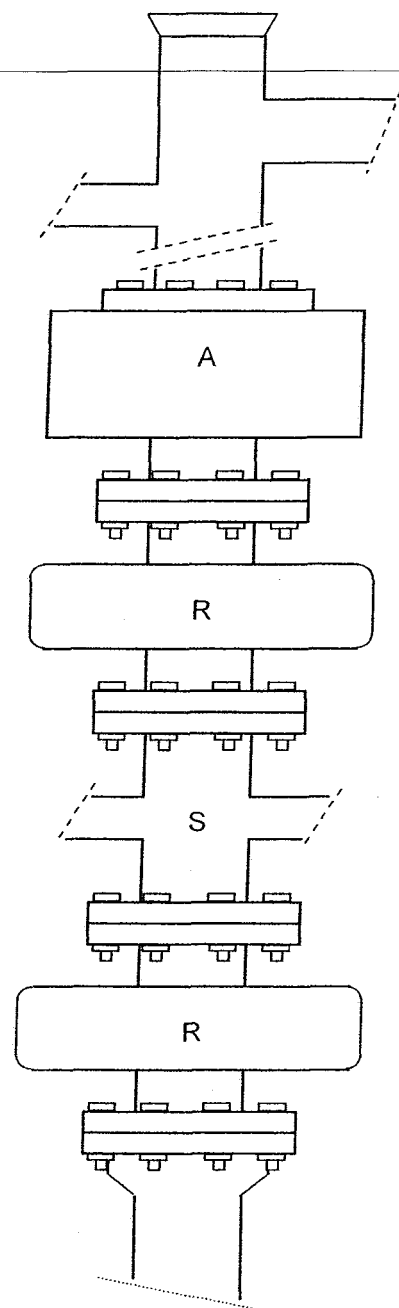


FIG. 2.C.6
ARRANGEMENT RS*RA

EXAMPLE BLOWOUT PREVENTER ARRANGEMENTS FOR 3M AND 5M RATED WORKING PRESSURE

* Drilling spool and its location in the stack arrangement is optional- refer to Par 2.C.6

From: Jim Davis
To: Bonner, Ed; Mason, Diana
Date: 1/12/2009 12:57 PM
Subject: Newfield Well approvals.

CC: Garrison, LaVonne
The following wells have been approved by SITLA.

4304739771 State 7T-36-8-18
4304740160 State 13-36T-8-17
Including arch and paleo clearance.

4301334147 Castle Draw St N-2-9-17
Including arch. Paleo not required (location outside the "paleo sensitive area").

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 12, 2009

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: State 7-36-8-18 Well, 1794' FNL, 2367' FEL, SW NE, Sec. 36, T. 8 South, R. 18 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39771.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA



Operator: Newfield Production Company
Well Name & Number State 7-36-8-18
API Number: 43-047-39771
Lease: ML-22057

Location: SW NE Sec. 36 T. 8 South R. 18 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Surface casing shall be cemented to the surface.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22057			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: STATE 7-36-8-18			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1794 FNL 2367 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 36 Township: 08.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047397710000			
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/11/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Newfield proposes to extend the permit to drill this well for one year.					
Approved by the Utah Division of Oil, Gas and Mining					
Date: <u>January 11, 2010</u>					
By:					
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech			
SIGNATURE N/A	DATE 1/11/2010				

RECEIVED January 11, 2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397710000

API: 43047397710000

Well Name: STATE 7-36-8-18

Location: 1794 FNL 2367 FEL QTR SWNE SEC 36 TWP 080S RNG 180E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 1/12/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Mandie Crozier

Date: 1/11/2010

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: January 11, 2010

By: 

RECEIVED January 11, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22057
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COUNTY: UTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/12/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Newfield proposes to extend the Application for Permit to Drill this well for one year.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12/30/2010

By:

NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A		DATE 12/28/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397710000

API: 43047397710000

Well Name: STATE 7-36-8-18

Location: 1794 FNL 2367 FEL QTR SWNE SEC 36 TWP 080S RNG 180E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 1/12/2009

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Mandie Crozier

Date: 12/28/2010

Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: 12/30/2010

By: 

RECEIVED December 28, 2010



GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 13, 2012

Mandie Crozier
Newfield Production Co
Route 3 Box 3630
Myton, UT 84052

Re: APD Rescinded – State 7-36-8-18, Sec. 36, T.8S, R.18E
Uintah County, Utah API No. 43-047-39771

Dear Ms. Crozier:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on January 12, 2009. On January 11, 2010 and December 30, 2010 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective January 13, 2012.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner

